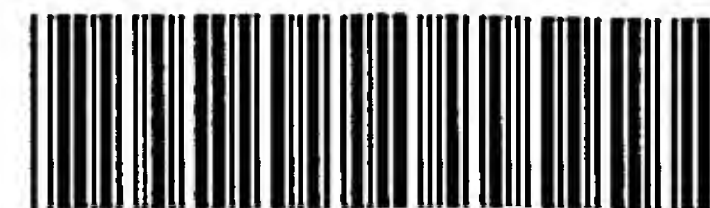


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/583,840
Source: IFWP
Date Processed by STIC: 07/06/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 07/06/2006

PATENT APPLICATION: US/10/583,840

TIME: 14:07:24

Input Set : A:\CMT-0072 sequence listing.txt

Output Set: N:\CRF4\07062006\J583840.raw

```

1 <110> APPLICANT: RHEE, Young Ha
2      KIM, Young baek
3      CHUNG, Chungwook
4      YOON, Jooseog
5      LG CHEM, LTD.
7 <120> TITLE OF INVENTION: POLY(3-HYDROXYALKANOATE) BLOCK COPOLYMER HAVING SHAPE MEMORY
8      EFFECT
10 <130> FILE REFERENCE: CMT-0072
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/583,840
C--> 12 <141> CURRENT FILING DATE: 2006-06-22
12 <150> PRIOR APPLICATION NUMBER: KR 10-2005-0059907
13 <151> PRIOR FILING DATE: 2005-07-04
15 <160> NUMBER OF SEQ ID NOS: 14
17 <170> SOFTWARE: KopatentIn 1.71 and text editor
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 18
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Primer
28 <400> SEQUENCE: 1
29 ccgccstgsa tcaagtac                                     18
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 20
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Primer
41 <400> SEQUENCE: 2
42 gytsgtgsgy tcyycggtcc                                     20
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 24
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Primer
54 <400> SEQUENCE: 3
55 caccatgctg agttgcgctc tagc                                 24
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 27
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 07/06/2006

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TIME: 14:07:24

Input Set : A:\CMT-0072 sequence listing.txt

Output Set: N:\CRF4\07062006\J583840.raw

```

64 <223> OTHER INFORMATION: Primer
67 <400> SEQUENCE: 4
68 tcadmsyttt acrtarcgkc ctggygc 27
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 20
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Primer
80 <400> SEQUENCE: 5
81 gatcgatacc aatctcaccg 20
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 21
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Primer
93 <400> SEQUENCE: 6
94 caaagccagt ggttcgacgt a 21
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 19
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Primer
106 <400> SEQUENCE: 7
107 ctgctgaaac tggtggagc 19
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 47
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Primer
119 <400> SEQUENCE: 8
120 ggggggtacca ataaggagat atacatatgg gtactgcgag caatgcg 47
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 28
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Primer
132 <400> SEQUENCE: 9
133 cccactagtt cagcgctcga tggccagc 28
136 <210> SEQ ID NO: 10
137 <211> LENGTH: 28
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Primer

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RAW SEQUENCE LISTING

DATE: 07/06/2006

PATENT APPLICATION: US/10/583,840

TIME: 14:07:24

Input Set : A:\CMT-0072 sequence listing.txt

Output Set: N:\CRF4\07062006\J583840.raw

```

145 <400> SEQUENCE: 10
146 gggcatatga cccagaagaa caacagcg                                28
149 <210> SEQ ID NO: 11
150 <211> LENGTH: 39
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Primer
158 <400> SEQUENCE: 11
159 cccactagtt cadmscttya crtaacgtcc tggcgcygc                    39
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 756
164 <212> TYPE: DNA
165 <213> ORGANISM: Pseudomonas sp. HJ-2
167 <220> FEATURE:
168 <221> NAME/KEY: variation
169 <222> LOCATION: (482)
170 <223> OTHER INFORMATION: n=A, C, G or T
172 <400> SEQUENCE: 12
173 atgggtactg cgagcaatgc ggcacgtata gctctgggtca ccggtggtat gggcggtatc    60
175 ggtaccggcga tcagccagcg cctgcatcgg gatggcttca ccgtgggtggg gggctgtaat    120
177 ccctactcca gccgcaaggc ttcttggtatt gccacgcaac tcgaggcggg ctttcacttc    180
179 cactgcatcg actgcgacat caccgactgg gatagcacc gccaggcctt cgacatggtg    240
181 cactgagactg tcggcccgat cgatgtattg gtcaacaatg ccggcatcac ccgcgacggc    300
183 actttccgca agatgtcccc ggaaaactgg aaggcgggtga tcgataccaa tctcaccggc    360
185 ctgttcaaca caaccaagca ggtcatcgag ggcattgctgg ccaagggctg gggacgcgtc    420
187 atcaacatct cctcaatcaa tggccagcga ggccagttcg ggcagaccaa ctactccgcg    480
W--> 189 gncaaggctg gcattcatgg cttcagcatg gccttggecc gcgagggtgag tggcaagggc    540
191 gtgaccgtca ataccggtttc ccctggctac atcaagaccg acatgaccgc ggcgattcgc    600
193 ccggacatcc tcgaagacat gattactggc attcccgtgg gccgtctcgg ccagcccag    660
195 gagatcgctt cgatcggtggc ctggctggcc tccgatcagt ctgcctatgc caccggcgcc    720
197 gacttctcgg tgaatggcgg catgaacatg cagtga                                756
200 <210> SEQ ID NO: 13
201 <211> LENGTH: 1179
202 <212> TYPE: DNA
203 <213> ORGANISM: Pseudomonas sp. HJ-2
205 <220> FEATURE:
206 <221> NAME/KEY: variation
207 <222> LOCATION: (207)
208 <223> OTHER INFORMATION: n=A, C, G or T
210 <220> FEATURE:
211 <221> NAME/KEY: variation
212 <222> LOCATION: (209)
213 <223> OTHER INFORMATION: n=A, C, G or T
216 <400> SEQUENCE: 13
217 atgatcgaag tcgttatcgt cgccgccact cgcaccgcca tcggcgcttt ccaggggagc    60
219 ctggccggca ctcccgcggt tgaactgggc gccacgggtga tccgccgcct gctcgaacag    120
221 accgctctgg atagcagtca ggtggatgaa gtgatactcg gccacgtact caccgcccgt    180
W--> 223 gctggcgagaa taccgctcgc caggcancng gtcatcgccg gcctgccaca cgccgtaccg    240

```

RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/583,840

TIME: 14:07:24

Input Set : A:\CMT-0072 sequence listing.txt

Output Set: N:\CRF4\07062006\J583840.raw

225	gcgatgaccc	tgaacaaggt	ctgtggctcc	ggcctgaaag	ccctgcacct	gggcgcccag	300
227	gccatccgct	gtggcgatgc	cgaggtggtg	attgccggtg	gcatggagaa	catgagcctg	360
229	tcgtcctatg	tcctgcccac	ggcccgcacc	ggcctgcgca	tgggccacgc	gcagctggtc	420
231	gacagcatga	tcgtcgacgg	cctgtgggac	gccttcaacg	actaccacat	ggggatcact	480
233	gccgagaacc	tggtagacaa	gtacggcatc	agccgcgaag	cccaggacga	attcgccgcc	540
235	gcctcgcagc	agaaagccgt	ggccgccatc	gagaccggtc	gcttccgcga	cgagatcgtc	600
237	ccggtgagca	ttccgcagcg	caagggcgag	gcgctgagct	tcgacaccga	cgaacagcca	660
239	cgcgccggca	ccaccgccga	gtcgtctggc	aagctgaaac	cggccttcaa	gaacgacggc	720
241	agcgttactg	ccggcaacgc	ttccagtctc	aacgacggcg	ccgcgcgggt	actgctgatg	780
243	agtgcggcaa	aggccgcagc	gcttggtctg	ccagtgtctg	cgaagatcgc	cgcctacgcc	840
245	aatgccggcg	tcgacccggc	gatcatgggt	atcggaccgg	tgtcggccac	ccgcagttgc	900
247	ctggagaagg	cgggctggag	tctggcagag	ctggatctga	tcgaggccaa	tgaagccttc	960
249	gcggcccagg	ccctggccgt	gggtcaggag	ctgggctggg	atgctggcag	ggttaacgtc	1020
251	aacggcggcg	ccatcgccct	cggccacccc	attggcgcct	ccggctgccg	cgtactggtc	1080
253	agcctgctgc	atgaaatgct	caggcgcgac	gcgaaaaaag	gcctcgctac	cctgtgtatc	1140
255	ggtggcggcc	agggcgtggc	gctggccatc	gagcgtga			1179
258	<210> SEQ ID NO: 14						
259	<211> LENGTH: 1701						
260	<212> TYPE: DNA						
261	<213> ORGANISM: Pseudomonas sp. HJ-2						
263	<400> SEQUENCE: 14						
264	atggacaacg	gacacacctt	tgctcactac	tggtcgggtc	aggcgccctt	catcgccagc	60
266	ttcgtcctgc	agcaactgcg	cttatacgtg	gcgcaaaata	cttggttcag	cgggcacgac	120
268	caaagccagt	ggttcgacgt	acctgtcgag	gcgttggagc	aactgcaggc	ggactaccaa	180
270	caacagtggg	ccgaacttgg	ccagcaattg	ctgagctgcc	agccgttcgc	attcagcgat	240
272	cgtegccttcg	ccagtggcaa	ctggagcgaa	ccgctgttcg	gttccctggc	tgcttcttac	300
274	ctgctgaatt	ccggttttct	gctgaaactg	ttggagcttc	tccccatcga	tgagcagaag	360
276	ccccgccagc	gcttgcgтта	cttgatcgag	caagcgattg	ccgcaagcgc	cccaagtaac	420
278	tttctgctga	gcaaccctga	tgccctgcaa	cgcctagtgg	aaaccagggg	cgccagccta	480
280	ctaagtggcc	tggttgcact	tgccagtgcg	ctgcaggcag	gcaagtgtgc	ccaatgtgac	540
282	ttgggcgatt	tcgaagtcgg	cgtgaatctg	gccaccaccc	ctggtgccgt	ggtactggaa	600
284	accctctgtg	tccagctgat	ccagtattcg	ccgctcagcg	aaacgcaata	ccagcggccg	660
286	atattcatgg	tccgcacctg	gatcaacaag	tactacatcc	ttgacctcgg	gcccgaatac	720
288	tctctaattc	gtcatctact	ggagcgaggc	catcaagttt	ttctgatgtc	ctggcgcaac	780
290	ttcactcagg	aacaggccga	catcacctgg	gagcagatca	tccaggacgg	agtgatcagc	840
292	gccctgcgca	ctaccggggc	catcagtggg	gagcgccacc	tgaactgttt	gggtttctgc	900
294	atcggcggca	ccatgctgag	ttgcgctcta	gcggtgctgg	cagcgcgctg	cgaccaggac	960
296	attgccagcc	tgagtctatt	cgccactttt	cttgactacc	ttgataccgg	gccgatcagc	1020
298	gtcttcgtcg	atgagcaact	ggtggcctac	cgtgagcgca	ccatcggtgg	ccatggtggc	1080
300	aaatgtggcc	tggttcgcgg	tgaggacatg	ggcaatacct	tctccctgct	gcggcccaac	1140
302	gagctgtggg	ggaactacaa	cgtagacaaa	tatctcaagg	ggcagaagcc	gctggctctg	1200
304	ggtctactgt	tctggaacaa	cgacagcacc	aatctgccgg	ggcccctgta	ttgctggtat	1260
306	ctgcgccaca	cctacctgca	gaacgacctc	aaatcggggg	agttggatct	gtgcggcgtc	1320
308	aagttggatc	tgcgggccat	agacgcacca	gcctacatct	tgggaacca	tgacgaccac	1380
310	atcgtgccct	ggcgaagcgc	ctatgccagc	acggaattgc	tgggaggtcc	aaagcgcttt	1440
312	gtcctcggcg	cctccggcca	catcgccggg	gtgatcaacc	cgcagatag	gaacaagcgc	1500
314	cattactggg	tcaatgaaca	catagcgccg	gtagctgacg	actggctgca	gggagctcag	1560
316	cagcattccg	gcagttgggt	gggtgactgg	ttcgctgggt	tgaccggcta	tgccggccca	1620
318	cgcaagcctg	ccatcactat	gctgggcagt	gccgagtacc	ccccgcttga	acatgcgcca	1680

RAW SEQUENCE LISTING

DATE: 07/06/2006

PATENT APPLICATION: US/10/583,840

TIME: 14:07:24

Input Set : A:\CMT-0072 sequence listing.txt

Output Set: N:\CRF4\07062006\J583840.raw

320 ggacgttatg tgaagctatg a

1701

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/583,840

DATE: 07/06/2006
TIME: 14:07:25

Input Set : A:\CMT-0072 sequence listing.txt
Output Set: N:\CRF4\07062006\J583840.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:12; N Pos. 482 ✓
Seq#:13; N Pos. 207,209 ✓

VERIFICATION SUMMARY

DATE: 07/06/2006

PATENT APPLICATION: US/10/583,840

TIME: 14:07:25

Input Set : A:\CMT-0072 sequence listing.txt

Output Set: N:\CRF4\07062006\J583840.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:480

L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:180